

CLAIMS

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is as follows:

1. An authorization control system for personal use of a device, comprising:
- storage means for storing personal code data;
 - signal provider means for outputting signals representing said personal code data;
 - signal delivery interface means for receiving signals representing said personal code data, and adapted for wear by a user in proximity to a body of the user;
 - signal receive interface means, connected to the device, for receiving said signal from said signal delivery interface means;
 - a signal processing device, connected to said signal receive interface means, for determining a user's authorization for using the device by evaluating said signals and outputting a signal indicative of an evaluation result;
 - a control device connected to said signal processing device; and
 - an actuator for said device coupled to said control device, for allowing said user to use said device based on an output of said control device.

2. The authorization control system as claimed in claim 1, wherein said signal delivery interface means is capacitively coupled to said signal receive interface means.

1 *sub. B2* 3. The authorization control system as claimed in claim 2, wherein said
2 device comprises a firearm.

1 4. The authorization control system as claimed in claim 3, wherein said
2 signal delivery interface means comprises a transmitter device including a
3 transmitter electrode capacitively coupling a displacement current modulated
4 by the signals representing said code data into the user's body, and
5 wherein said signal receive interface means comprises a receiver
6 device including a receiver electrode capacitively receiving said signals from a
7 user's hand.

1 5. The authorization control system as claimed in claim 1, wherein said
2 device comprises a firearm including a trigger,
3 wherein said signal delivery interface means comprises an electrically
4 conducting portion of a finger ring worn by said user, wherein said signal
5 receive interface means comprises an electrically conducting portion of the
6 trigger of the firearm, and
7 wherein an electrical circuit is closed when the user touches the trigger
8 of the firearm with the conducting portion of said finger ring and personal
9 code data signals are transmitted.

1 *sub. A2* 6. A firearm comprising:
2 a signal processing device;
3 signal receive interface means, connected between a signal source
4 external to said firearm and said signal processing device included in said

firearm, wherein said signal processing device is connected to said signal receive interface means for delivering an output signal;

a controlling device connected to said signal processing device; and

an actuator for said firearm, connected to said controlling device, for selectively inhibiting the firing of the firearm based upon an output signal from said controlling device.

7. The firearm as claimed in claim 6, wherein said signal receive interface means comprises capacitive coupling means.

8. The firearm as claimed in claim 7, wherein said signal receive interface means comprises a capacitively coupling receiving device embedded in a grip of the firearm, and

wherein said firearm comprises an integrated circuit implementing said signal processing device and said controlling device.

9. The firearm as claimed in claim 6, further comprising a trigger coupled to said actuator wherein said signal receive interface means comprises an electrically conducting portion of the trigger.

10. The firearm as claimed in claim 6, wherein said signal receive interface means receives signals when said firearm is being used by a user, the signals relating to personal code data associated with a person or group of persons authorized to use said firearm.

11. A finger ring for a device authorization control system, comprising:

a storage device for storing data, wherein said data comprises personal code data;

a signal provider outputting signals representing said personal code data; and

a signal delivery interface for receiving signals representing said personal code data.

12. The finger ring as claimed in claim 11, further comprising:

an integrated circuit connected to said storage device and said signal provider; and

an electrically conducting portion forming said signal delivery interface.

13. The authorization control system as claimed in claim 1, wherein said signal processing device comprises a time registration and storing device.

14. The authorization control system as claimed in claim 1, wherein the device comprises one of a car and a firearm.

15. An authorization control system for personal use of a device, comprising:

a storage device for storing personal code data:

a signal provider for outputting signals representing said personal code data;

6 a signal delivery interface for receiving signals representing said
7 personal code data, and adapted for wear by a user in proximity to a body of
8 the user;

9 a signal receive interface, connected to the device, for receiving said
10 signal from said signal delivery interface;

11 a signal processing device, connected to said signal receive interface,
12 for determining a user's authorization for using the device by evaluating said
13 signals and outputting a signal indicative of an evaluation result;

14 a control device connected to said signal processing device; and

15 an actuator for said device coupled to said control device, for allowing
16 said user to use said device based on an output of said control device.

1 16. The authorization control system as claimed in claim 15, wherein said
2 signal delivery interface is capacitively coupled to said signal receive interface.

1 17. The authorization control system as claimed in claim 16, wherein said
2 device comprises a firearm.

1 18. The authorization control system as claimed in claim 17, wherein said
2 signal delivery interface comprises a transmitter device including a transmitter
3 electrode capacitively coupling a displacement current modulated by the
4 signals representing said code data into the user's body, and

5 wherein said signal receive interface comprises a receiver device
6 including a receiver electrode capacitively receiving said signals from a user's
7 hand.

1 19. The authorization control system as claimed in claim 15, wherein said
2 device comprises a firearm including a trigger,

3 wherein said signal delivery interface comprises an electrically
4 conducting portion of a finger ring worn by said user, wherein said signal
5 receive interface comprises an electrically conducting portion of the trigger of
6 the firearm, and

7 wherein an electrical circuit is closed when the user touches the trigger
8 of the firearm with the conducting portion of said finger ring and personal
9 code data signals are transmitted.

10 20. A firearm comprising:

1 *sub. A6*
2 a signal processing device;

3 a signal receive interface, connected between a signal source external
4 to said firearm and said signal processing device included in said firearm,
5 wherein said signal processing device is connected to said signal receive
6 interface for delivering an output signal;

7 a controlling device connected to said signal processing device; and

8 an actuator for said firearm, connected to said controlling device, for
9 selectively inhibiting the firing of the firearm based upon an output signal
10 from said controlling device.

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